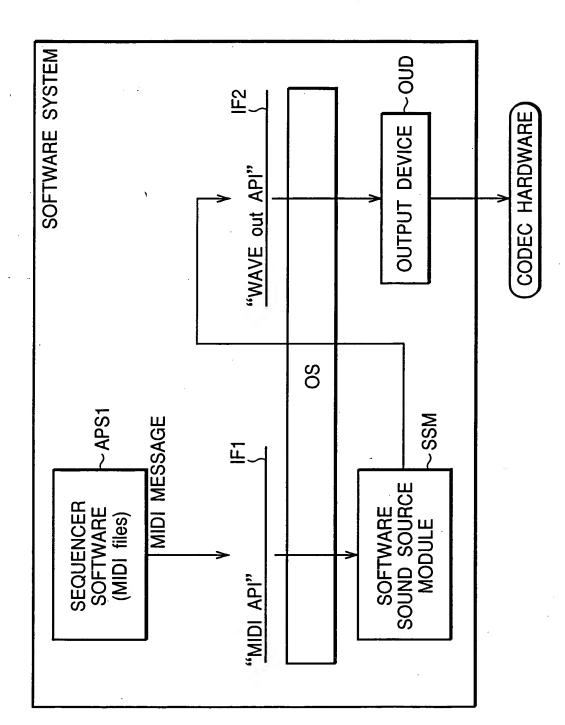
5981860

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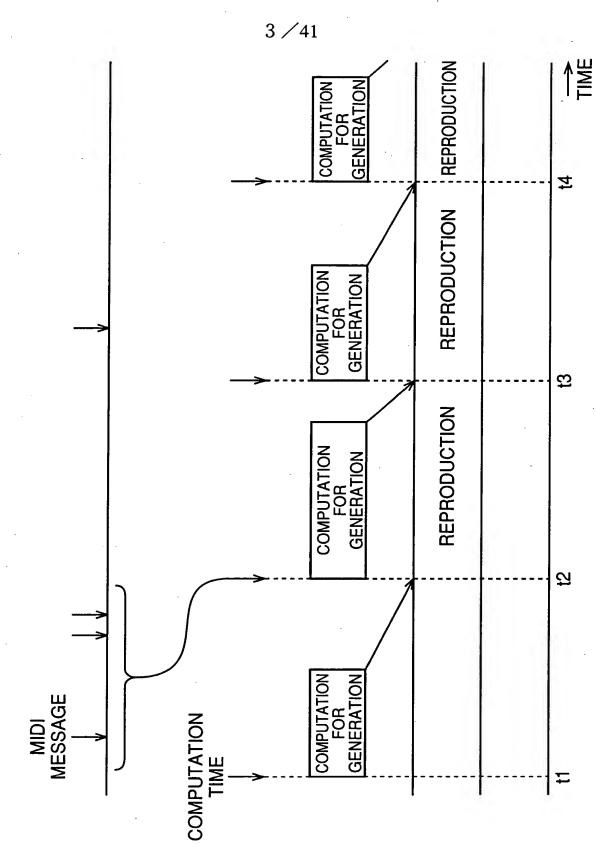
karator karetera

?

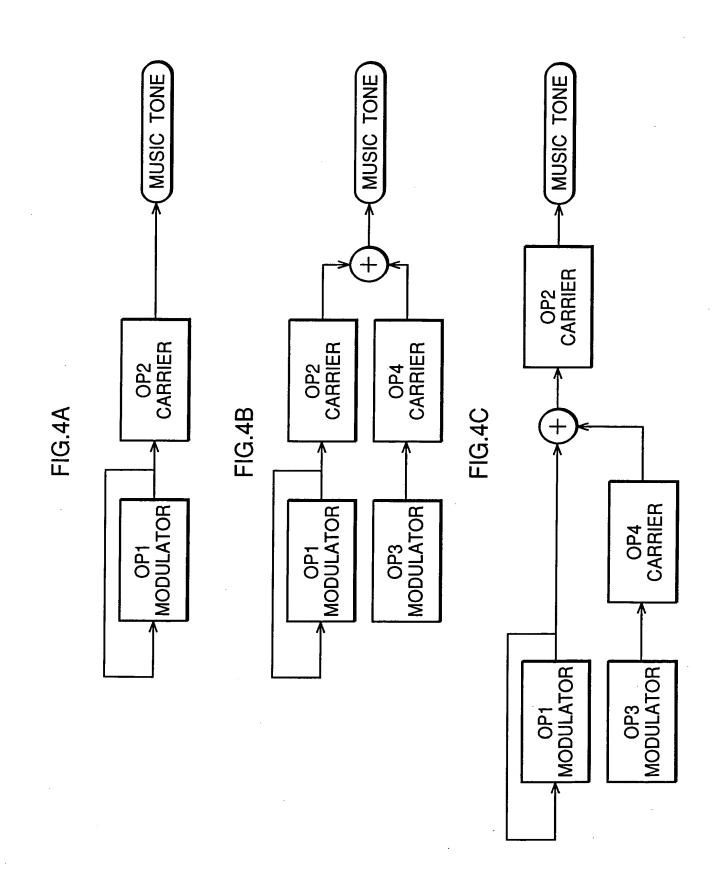
O.G. FIG. **APPROVED** BY DRAFTSMAN 2/41 SERVER COMPUTER 102 COMMUNICATION NETWORK COMMUNICATION I/F SOUND SYSTEM <u>6</u>, 14b DAC DATA/ADDRESS BUS RAM DMA 14a FIG.2 ROM HARD DISK DRIVE 9 CPU DISPLAY 2 TIMER 9 KEYBOARD 9 2 MOUSE

DESIDERT LOSSET

FIG.3



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APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
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FIG.5

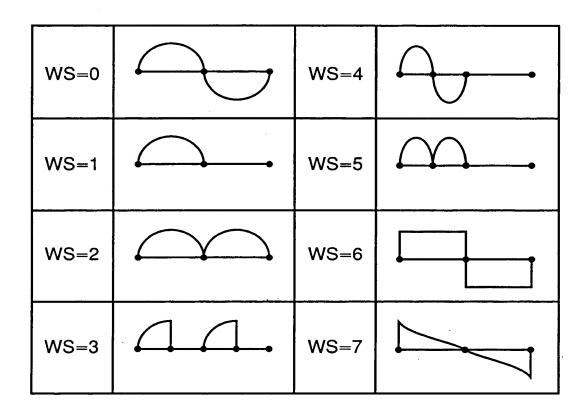


FIG.6

TONEPAR1
TONEPAR2
•
TONEPARn
:

BY CONTRACTOR OF THE PROPERTY	O.G. FIG.	488				6 /	/ 41					
	FIG.7C		OPONM	PHBUFm	FBm	MODINm	OPOUTm	EGSTATEm				
					<u></u>	_						
o o o o									\	_		\
	FIG.7B		FSAMPm	MULTm	FBLm	WSELm	TLm	EGPARm	MSCm	OPPRIOM	OPBUFm	
	LL .		4	,				ш				
					,							
	LL		1									

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BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG.8

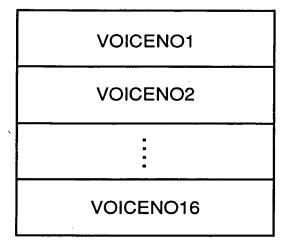
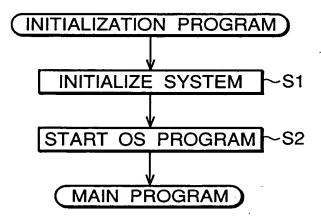


FIG.9



APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
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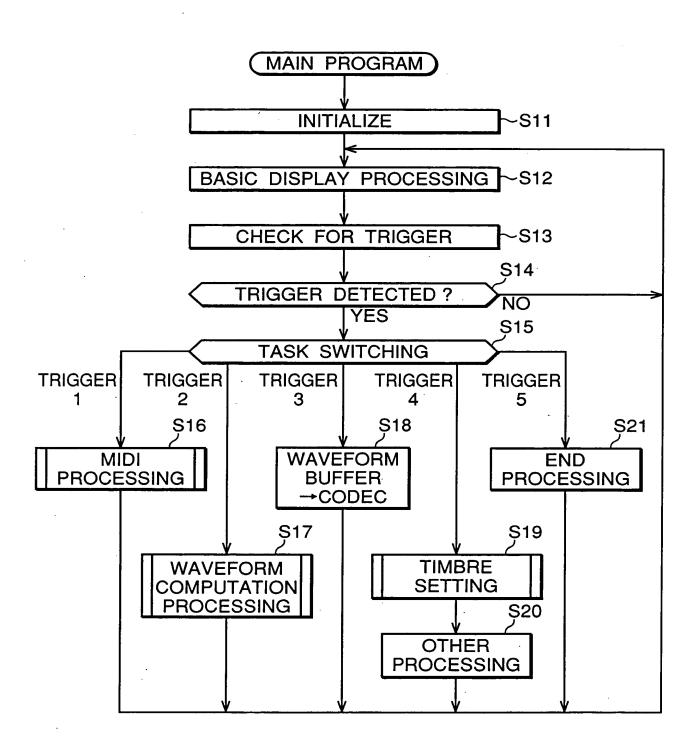
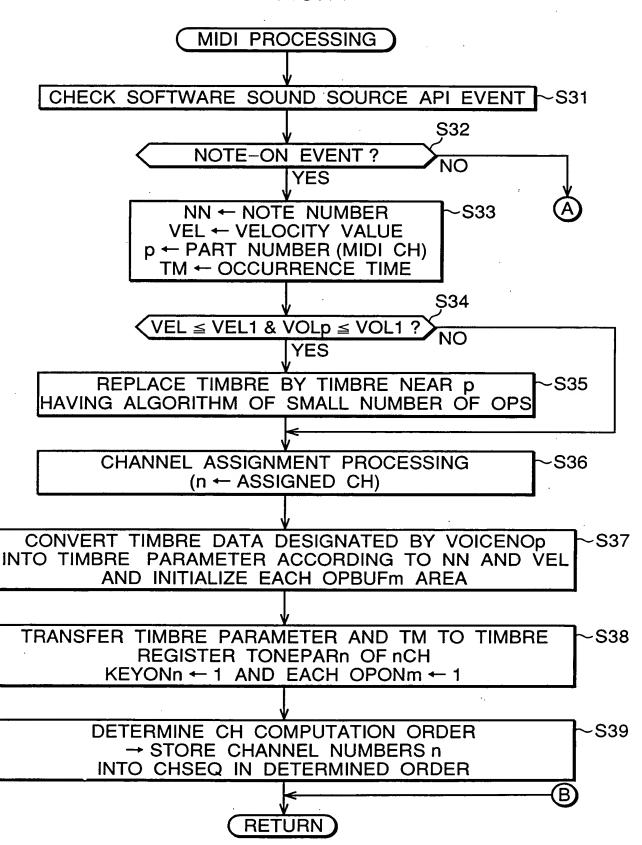
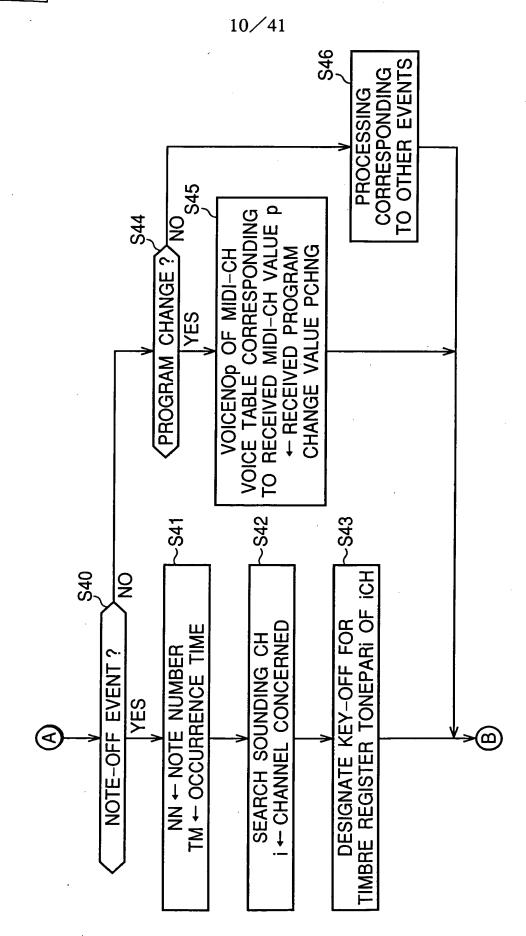


FIG.11





•	APPROVED	O.G. FIG.	
	BY	CLASS	SUBCLASS
	DRAFTSMAN		

FIG.13

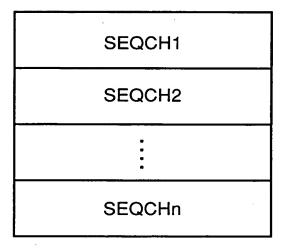
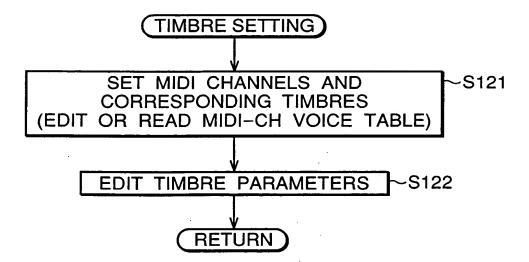


FIG.20



BY CLASS SUBCLASS

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FIG.14

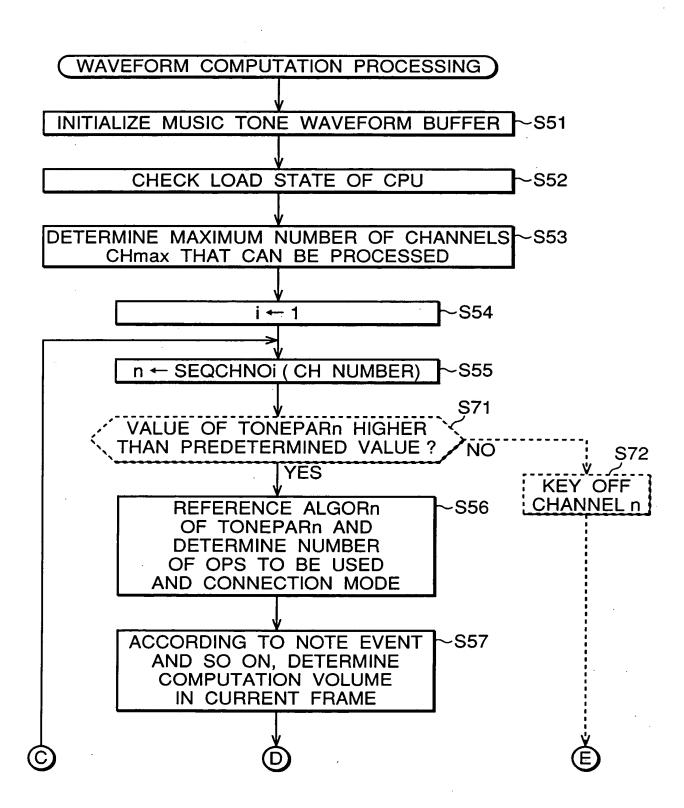


FIG.15

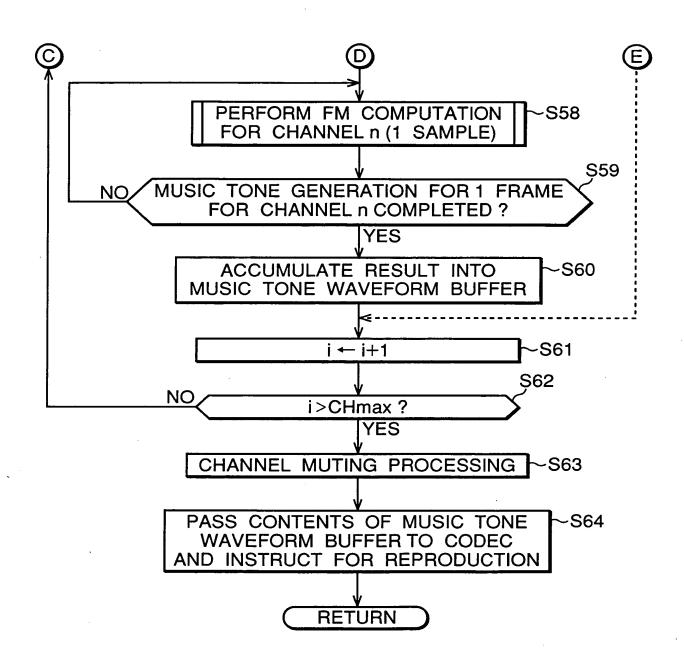


FIG.16

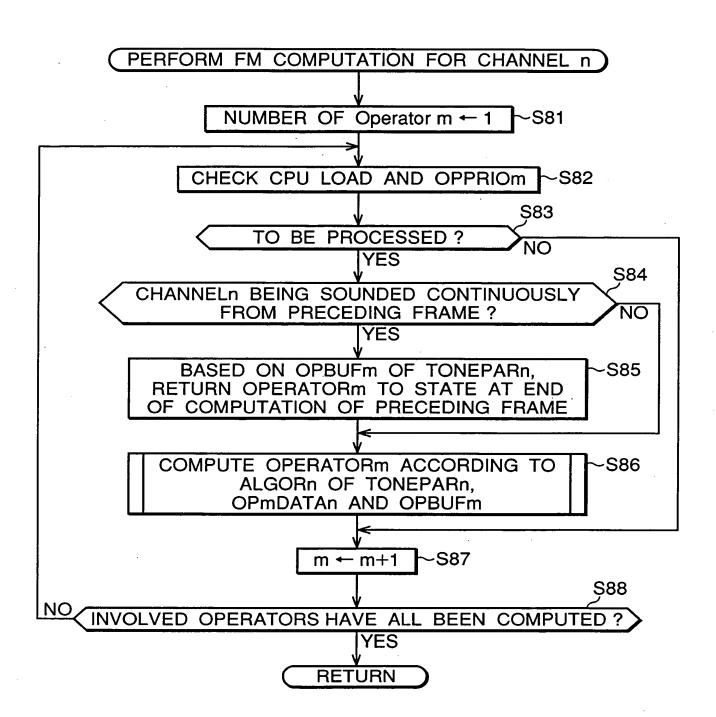
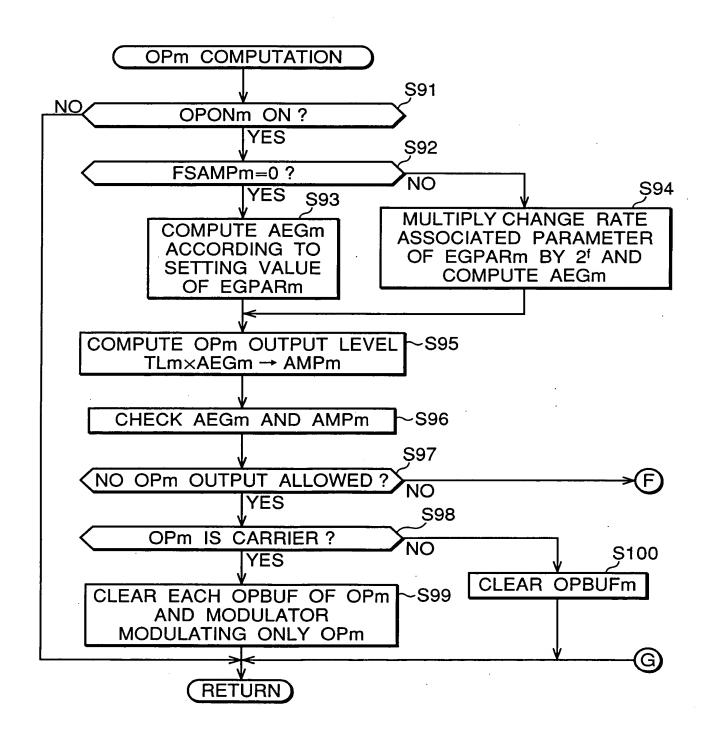


FIG.17

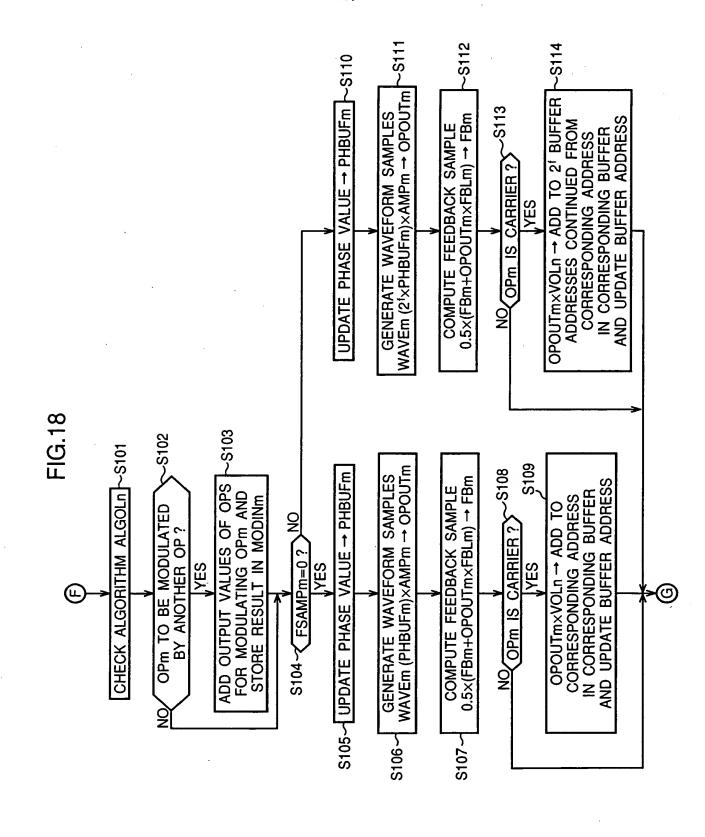


O.G. FIG.

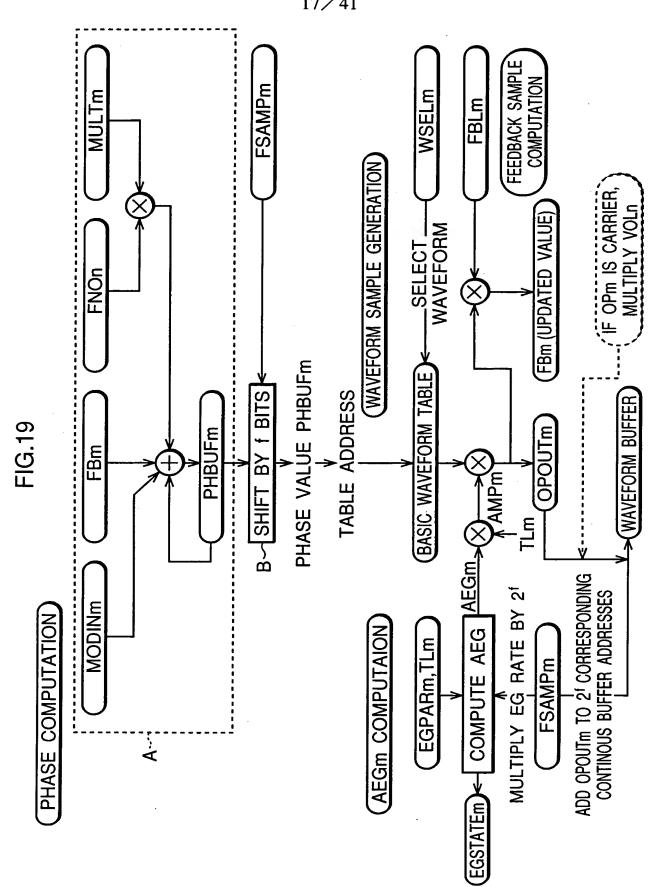
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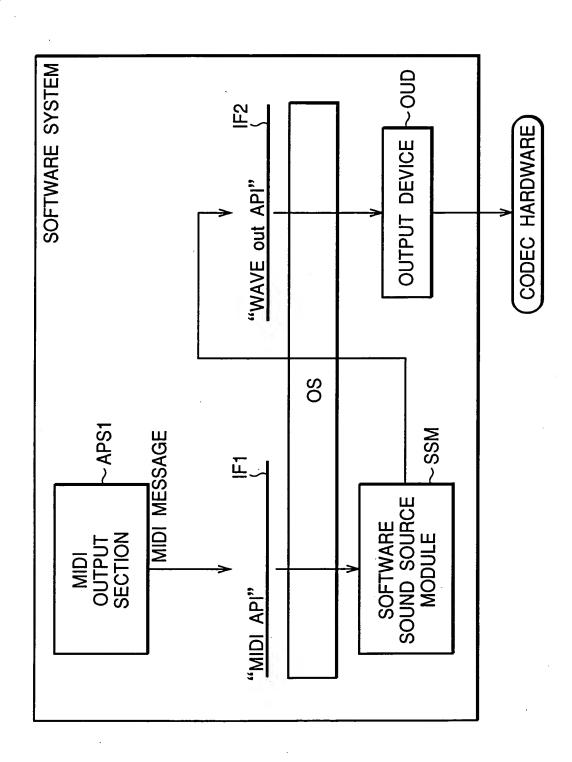
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O.G. FIG.

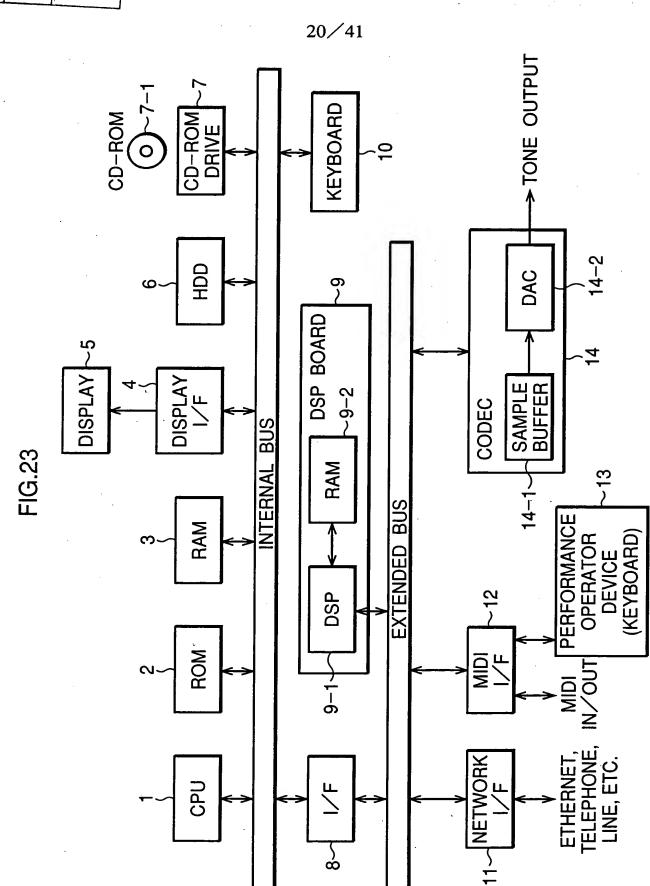
18/41

FIG.21



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APPROVED BY DRAFTSMAN	O.G. FI	G. UBCLASS		19/41		
			·	COMPUTE FOR GENERATION	DAC	4 ↓∏
		4 - X		COMPUTE FOR GENERATION	DAC REPRODUCTION	T3 T4
##	FIG.22			COMPUTE FOR GENERATION	DAC REPRODUCTION	
		MESSAGE M3 M1 M2	COMPUTATION	COMPUTE FOR GENERATION		T1 T2



APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
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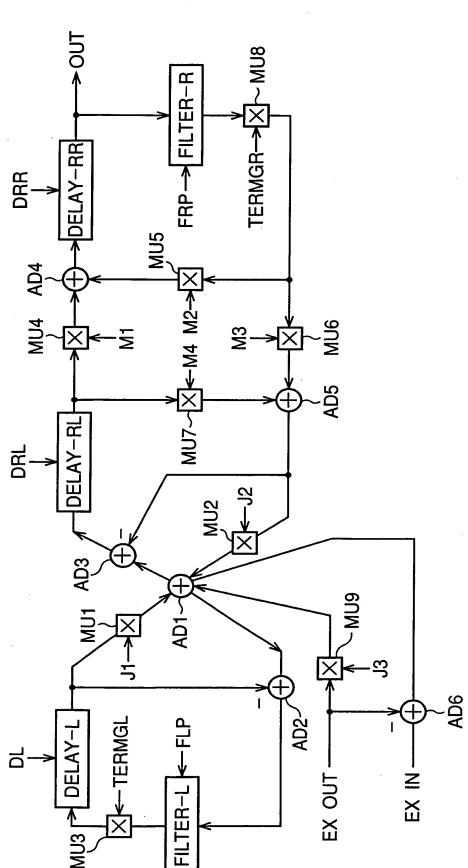


FIG.24

	O.G. FIG.		
BY	CLASS	SUBCLASS	
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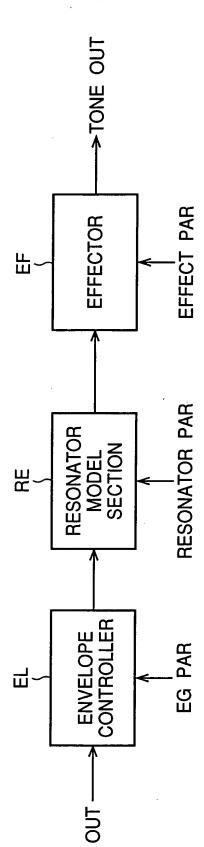
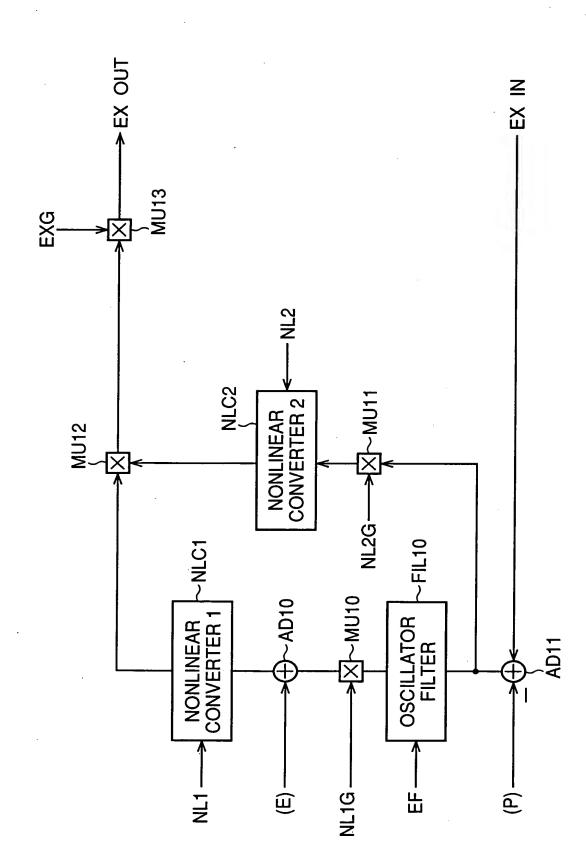


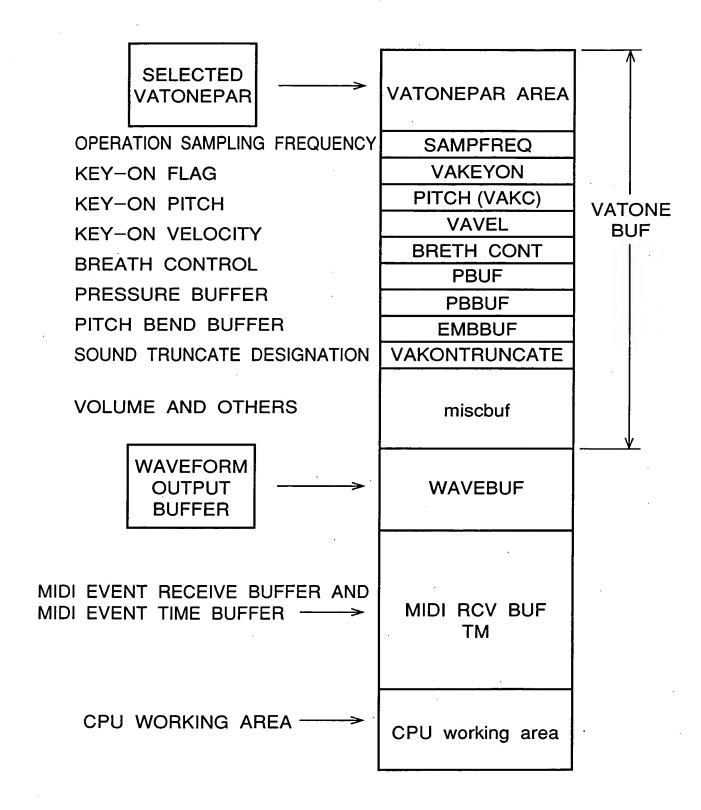
FIG.25



APPROVED	O.G.	FIG.	1
BY	CLASS	SUBCLASS	
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FIG.27



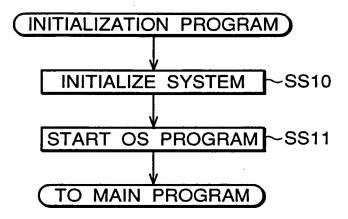
25/41

FIG.28

EXICITER	lEF	EXCITER FILTER PARAMETER
PARAMETERS	NLG1	NONLINEAR CONVERTER 1 INPUT GAIN
17 TO THE LETTE	NLG2	NONLINEAR CONVERTER 2 INPUT GAIN
	EXG	EXCITER OUTPUT GAIN
	NL1	NONLINEAR CONVERTER 1 CHARACTERISTIC PARAMETER (TABLE)
	NL2	NONLINEAR CONVERTER 2 CHARACTERISTIC PARAMETER (TABLE)
P/S	DL	DELAY-L DELAY AMOUNT TABLE
PÁRAMETERS	DRL	DELAY-RL DELAY AMOUNT TABLE
	DRR	DELAY-RR DELAY AMOUNT TABLE
] .	FLP	TERMINAL FILTER-L PARAMETER
	FRP	TERMINAL FILTER-R PARAMETER
	MULTI1(M1)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 1
	MULTI2(M2)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 2
	MULTI3(M3)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 3
	MULTI4(M4)	TONE HOLE JUNCTION MULTIPLICATION COEFFICIENT 4
	J1	TUBE JUNCTION MULTIPLICATION COEFFICIENT 1
	J2	TUBE JUNCTION MULTIPLICATION COEFFICIENT 2
	J3	TUBE JUNCTION MULTIPLICATION COEFFICIENT 3
EG PAR	ATTACK RATE	ATTACK RATE
•	RELEASE RATE	RELEASE RATE
	+	↓
RESONATOR	TYPE	RESONATOR TYPE
PAR	FREQ	RESONATOR FREQUENCY CHARACTERISTIC PARAMETER
	LEVEL	RESONATOR LEVEL PARAMETER
	<u> </u>	↓
EFFECT	EFFECT TYPE	EFFECT TYPE DESIGNATION
PAR	FREQ	EFFECT DEPTH
	LEVEL	MODULATION SPEED
	↓	•
SAMPLING FREQ	FS	SAMPLING FREQUENCY DATA (FS1>FS2)

APPROVED	O.G.	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAN		

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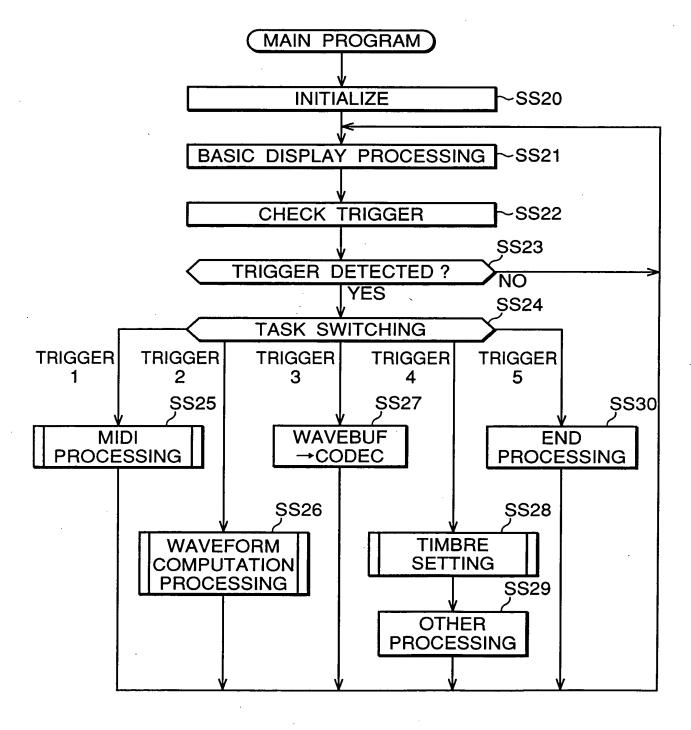
O.G. FIG.

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FIG.30



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FIG.32A

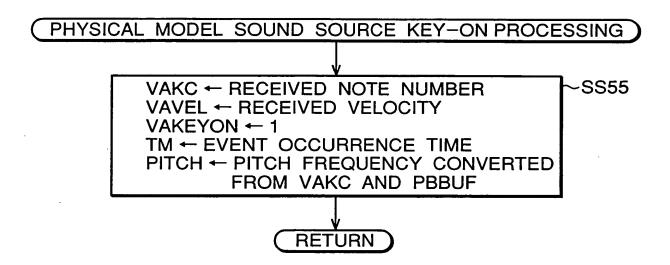
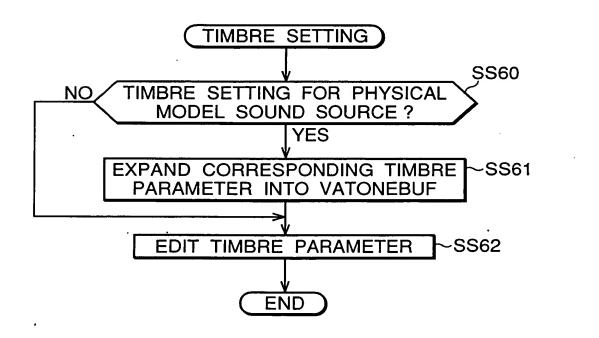


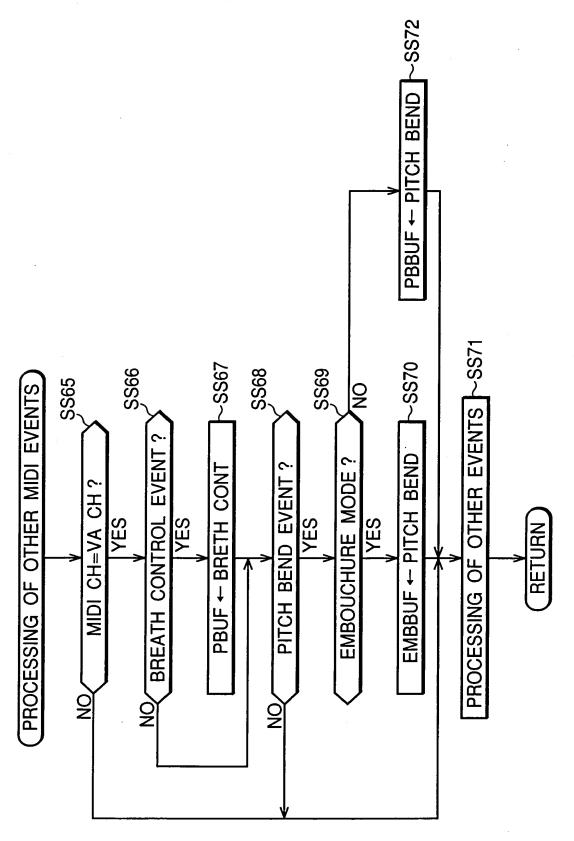
FIG.32B



O.G. FIG.

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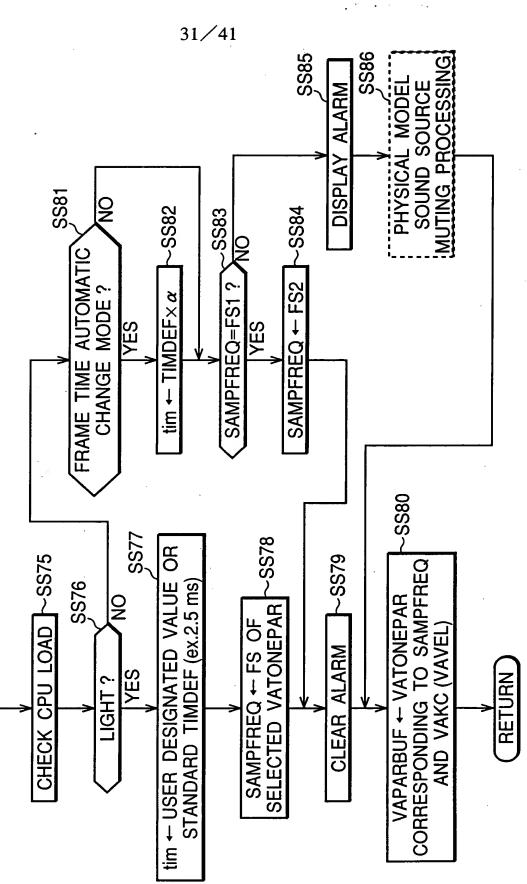


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	O.G. FIG.			
BY	CLASS	SUBCLASS	1	
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FIG.33

PARAMETER EXPANSION

PHYSICAL MODEL

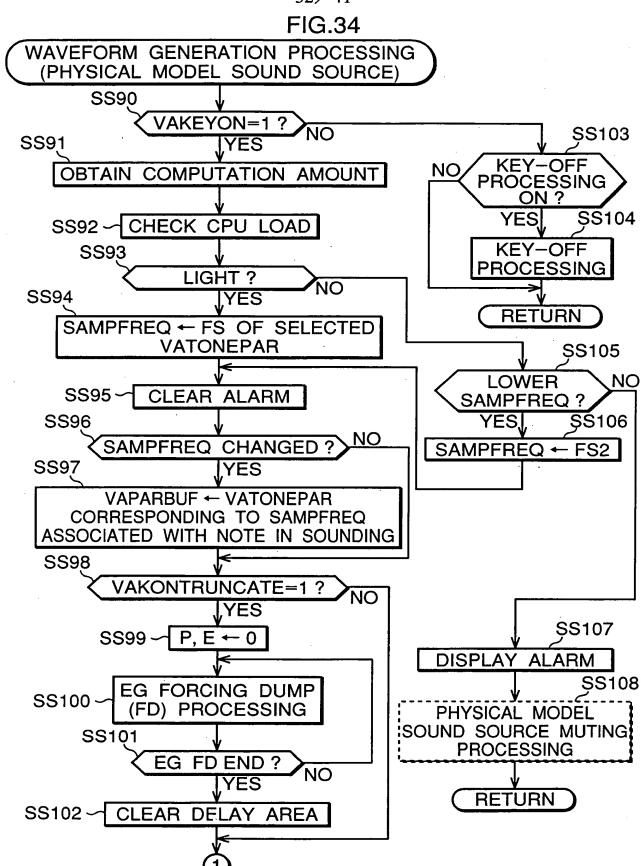


O.G. FIG.

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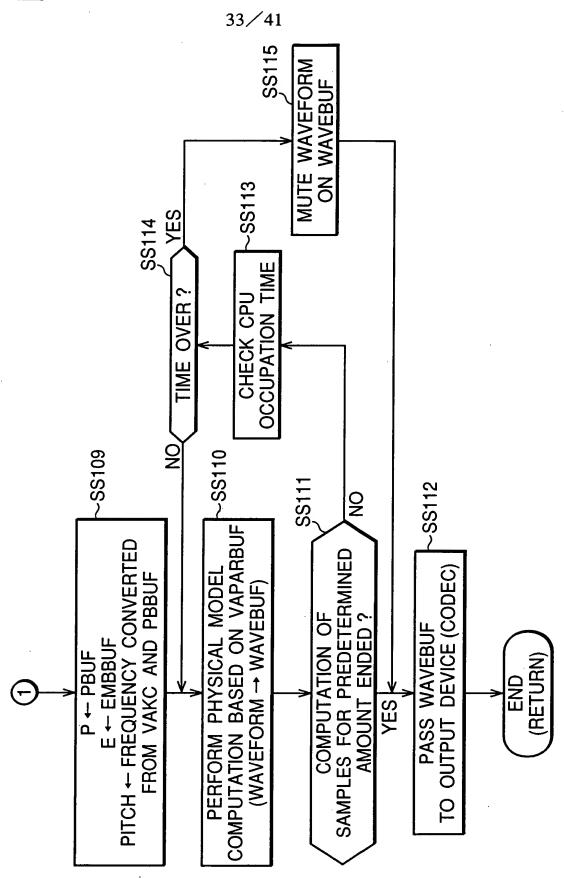
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APPROVED	O.G. FIG.		
BY .	CLASS	SUBCLASS	
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FIG.35



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FIG.36

PHYSICAL MODEL COMPUTATION PROCESSING

DELAY LENGTH CONTROL PROCESSING FOR EACH VARIABLE DELAY ACCORDING TO DESIGNATED PITCH FREQUENCY, SETTING STATES, SAMPFREQ AND VAPARBUF -SS120

-SS121

COMPUTATION OF EXCITER BASED ON SAMPFREQ, P, E, AND VAPARBUF

CAPTURE EX IN

EXCITER FILTER COMPUTATION BY FLTPAR CORRESPONDING TO SAMPFREQ

NONLINEAR CONVERTER PERIPHERL COMPUTATION PROCESSING BY NONLINEAR CONVERSION CHARACTERISTICS ACCORDING TO SAMPFREQ

GENERATE EXCITER OUTPUT SIGNAL EX OUT

COMPUTATION OF TUBE/STRING MODEL SECTION BASED ON SAMPFREQ AND VAPARBUF

-SS122

CAPTURE EX OUT

COMPUTATION OF JUNCTION SECTION (COMPUTATION BY JUNCTPAR CORRESPONDING TO SAMPFREQ)

COMPUTATION OF DELAY LOOP (INCLUDING COMPUTATION OF EACH TERMINAL FILTER IN FLTPAR CORRESPONDING TO SAMPFREQ)

OUTPUT EX IN AND OUT

COMPUTATION OF TIMBRE EFFECTOR BASED ON SAMPFREQ AND VAPARBUF

-SS123

TAKE SIGNAL OUT

COMPUTATION OF ENVELOPE CONTROLLER

COMPUTATION OF RESONATOR MODEL SECTION

COMPUTATION OF EFFECTOR

FINAL OUTPUT → TONEOUT

RETURN

APPROVED BY DRAFTSMAN	O.G. I	FIG. SUBCLA	SS			35/	COMPUTE ~SS137 FILTER-R		MULTIPLY ~SS138	TERMGR		
	FIG.37	DELAY LOOP COMPUTATION	COMPUTE OTHER LOOP PORTION -SS130	V COMPUTE RIGHT-SIDE TERMINAL	CHECK COMPUTATION SKIP CONDITION ~SS131	SS132 FILTER-R SKIP CONDITION SATISFIED?	YES PASS OUTPUT VALUE CORRESPONDING TO SKIP CONDITION SS133	SS134 TERMGR SKIP CONDITION SATISFIED 2	YES YES	PASS OUTPUT VALUE CORRESPONDING TO SKIP CONDITION ~SS135	COMPUTE OTHER LOOP PORTION ~SS136	RETURN

APPROVED	O.G.	O.G. FIG.			
BY	CLASS.	SUBCLASS			
DRAFTSMAN					

FIG.38

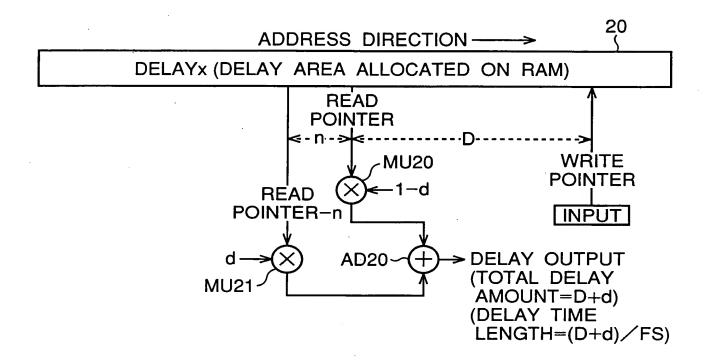
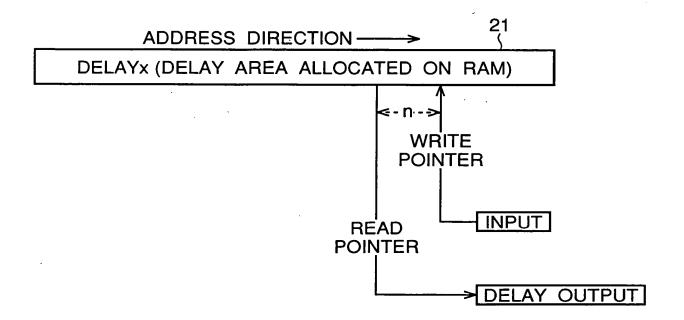
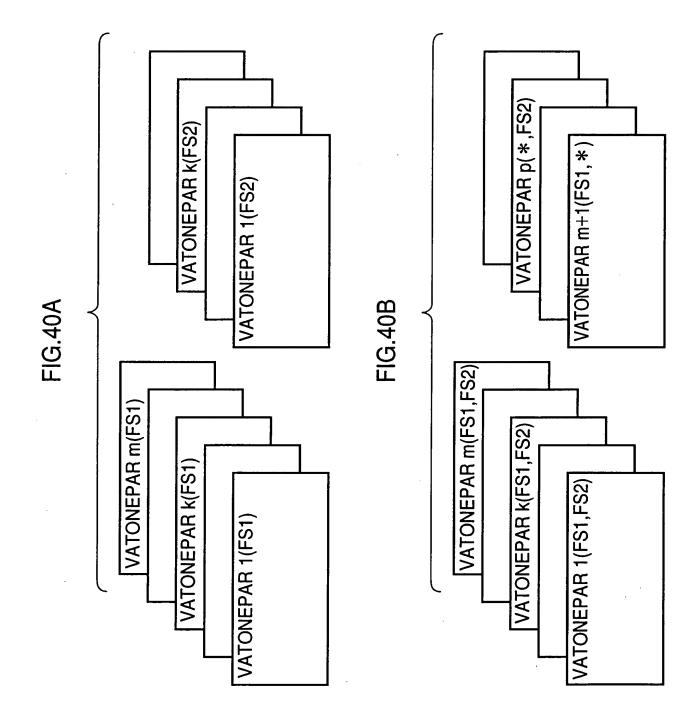


FIG.39



O.G. FIG.

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APPROVED	PROVED O.G. FIG.		
BY	CLASS	SUBCLASS	
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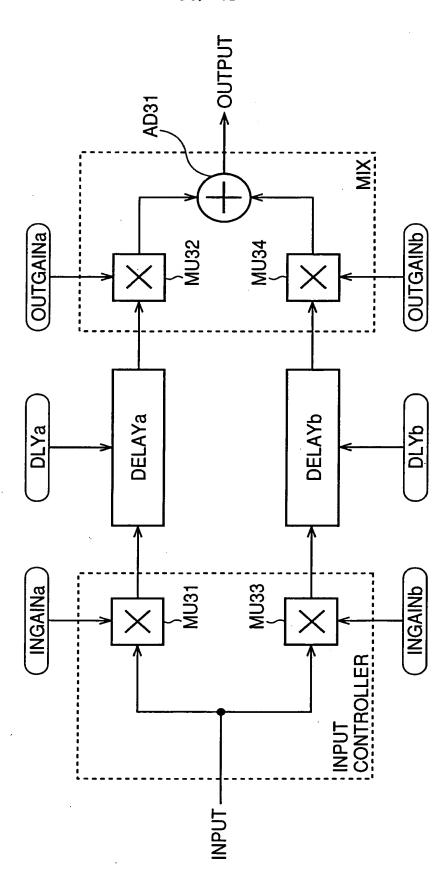
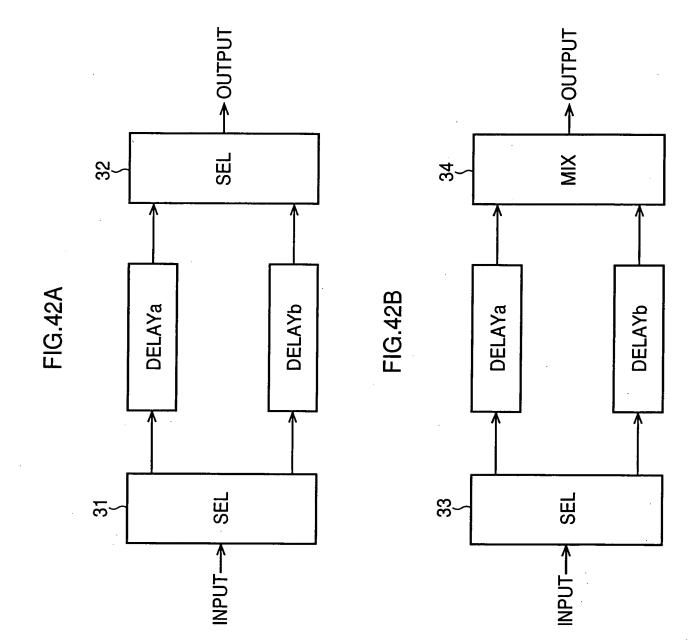


FIG.41



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APPROVED	O.G. FIG.		
BY	CLASS	SUBCLASS	
DRAFTSMAN			

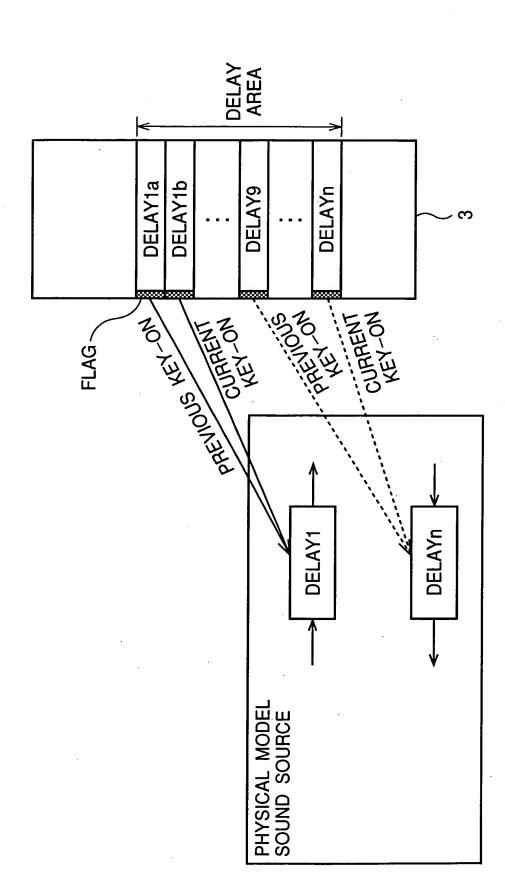


FIG.43

I		O.G. FIG.		
	BY	CLASS	SUBCLASS	
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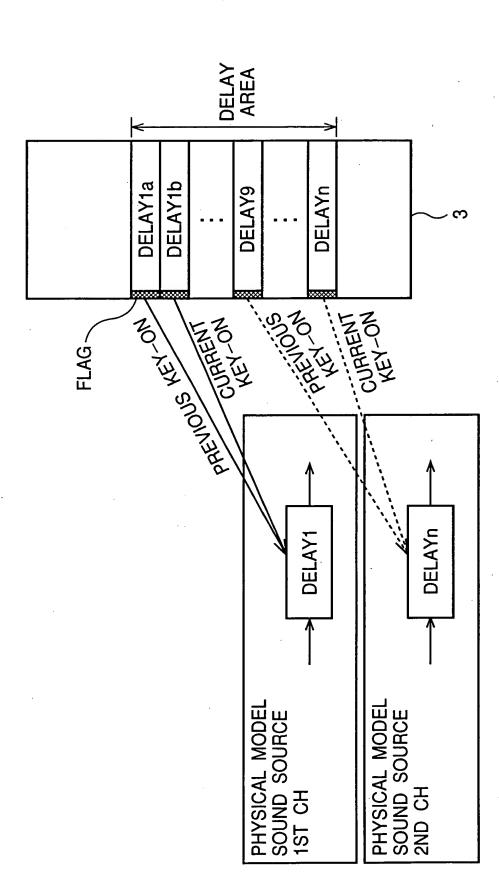


FIG.44